

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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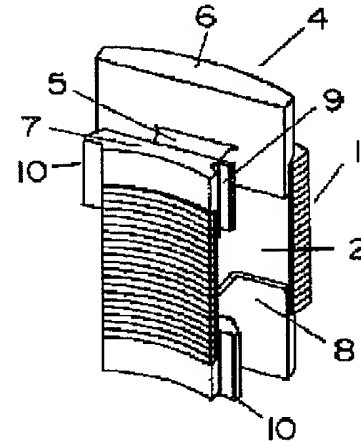
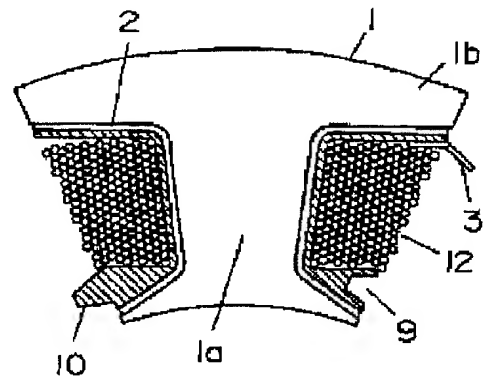
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APPLICANT : MATSUSHITA SEIKO CO LTD;

INVENTOR : SATO MUNETADA;

INT.CL. : H02K 3/34 H02K 1/18 H02K 3/18  
H02K 3/487 H02K 15/02 H02K 17/08

TITLE : STATOR FOR MOTOR AND  
MANUFACTURE THEREOF



ABSTRACT : PROBLEM TO BE SOLVED: To improve the quality of a stator for a motor used for driving a ventilating fan, etc., and using a split core by securing a sufficient insulating distance between a winding and a stator core, without having to reduce the winding space of the winding.

SOLUTION: A stator for motor is constituted by attaching insulators 4, having the same shape to both sides of a T-shaped split core 1 via insulating films 2, and a recessed section 9 and a projecting section 10 are respectively provided at both ends of an internal wall section 7 which prevents the tilting of a winding wound around the insulator 4, together with a flange-like external wall section 6. In addition, a plurality of split cores 1, wound with windings 12, are joined to each other in the peripheral direction by engaging the recessed sections 9 of the cores 1 with the projecting sections 10 of their adjacent cores 1. A sufficient winding space can be secured for each winding 12, when the thickness of the internal wall section 7 is reduced, by making the insulating distance between the winding 12 near the internal wall section 7 and the core 1 to follow the creepage distance for insulation along the engaged surface.

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